

## ABSTRACT OF THE DISCLOSURE

In the embodiments described in the specification, a spark-ignited internal combustion engine has an exhaust line containing an oxide gas absorber for absorbing NO<sub>x</sub> and SO<sub>x</sub> and desorbing NO<sub>x</sub> and SO<sub>x</sub> at elevated temperatures. The support member for the oxide gas absorber is a metal foil or a thin walled ceramic support to permit rapid heating and is coated with a layer of a gas absorbing material at least 50 microns thick to permit longer intervals between regeneration, thereby providing effective storage of oxide gases even with fuel consumption-optimized engines.